1. Record Nr. UNINA990001608010403321

Autore	Calogeras, Joao Pandiá
Titolo	As Minas do Brasil e sua legislacao / Joso Pandia Calogeras.
Pubbl/distr/stampa	Rio de Janeiro : Imprensa Nacional, 1904-1905
Descrizione fisica	3 v. ; 23 cm
Disciplina	351.823 8
Locazione	FAGBC
Collocazione	60 340 B 34
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910303439303321

Autore	Benedek G (Giorgio)
Titolo	Atomic Scale Dynamics at Surfaces : Theory and Experimental Studies with Helium Atom Scattering / / by Giorgio Benedek, Jan Peter Toennies
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2018
ISBN	3-662-56443-2
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XXVI, 625 p. 230 illus., 53 illus. in color.)
Collana	Springer Series in Surface Sciences, , 0931-5195 ; ; 63
Disciplina	530.417
Soggetti	Surfaces (Physics) Interfaces (Physical sciences) Thin films Atoms Physics Chemistry, Physical and theoretical Materials science Materials—Surfaces Surface and Interface Science, Thin Films Atomic, Molecular, Optical and Plasma Physics Physical Chemistry Characterization and Evaluation of Materials Surfaces and Interfaces, Thin Films

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Historical Survey -- The Theory of Surface Phonons -- Surface Forces and Structures from the Dispersion of Surface Phonons -- Theoretical Methods of Surface Dynamics -- The Atom-Surface Potential -- Theory of Atom-Surface Phonon Scattering -- Theory of Atom-Surface Phonon Scattering -- Experimental Methods -- Intensities and Resolution of HAS Experiments -- Experimental Results -- Vibrations of Adsorbates and Thin Films -- New Horizons.
Sommario/riassunto	Experimental advances in helium atom scattering spectroscopy over the last forty years have allowed the measurement of surface phonon dispersion curves of more than 200 different crystal surfaces and overlayers of insulators, semiconductors and metals. The first part of the book presents, at a tutorial level, the fundamental concepts and methods in surface lattice dynamics, and the theory of atom-surface interaction and inelastic scattering in their various approximations, up to the recent electron-phonon theory of helium atom scattering from conducting surfaces. The second part of the book, after introducing the experimentalist to He-atom spectrometers and the rich phenomenology of helium atom scattering from corrugated surfaces, illustrates the most significant experimental results on the surface phonon dispersion curves of various classes of insulators, semiconductors, metals, layered crystals, topological insulators, complex surfaces, adsorbates, ultra-thin films and clusters. The great potential of helium atom scattering for the study of atomic scale diffusion, THz surface collective excitations, including acoustic surface plasmons, and the future prospects of helium atom scattering are presented in the concluding chapters. The book will be valuable reading for all researchers and graduate students interested in dynamical processes at surfaces.